IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A two-way radio communication system for two-way communication between first and second radio stations, the two-way radio communication system comprising:

a first radio station equipped with a signal modulator for generating a modulated signal in an intermediate frequency band that is lower than a radio frequency;

a modulated transmission signal generator that produces a modulated radio transmission signal by using a local oscillation signal to up-convert the modulated signal to a radio frequency band;

a transmitter that transmits the local oscillation signal used by the modulated transmission signal generator together with the modulated radio transmission signal as a radio signal; and

a receiver that receives a radio signal from a second radio station and down-converts the received signal to a modulated frequency band by using the local oscillation signal utilized for up -conversion by the modulated transmission signal generator;

a second radio station equipped with a local oscillation signal regenerator for extracting and regenerating just a local oscillation component from among signal components received from the first radio station;

a receiver that uses a local oscillation signal regenerated by the local oscillation signal regenerator to down-convert a received modulated radio signal to an intermediate frequency band;

a signal modulator for producing a modulated signal in an intermediate frequency band that is lower than a radio frequency; and

a transmitter that uses the local oscillation signal regenerated by the local oscillation signal regenerator to up-convert to a radio frequency band a modulated signal produced by the signal modulator.

Claims 2-3 (Canceled).

Claim 4 (Original): A two-way radio communication method for conducting two-way communication between first and second radio stations, the two-way radio communication method comprising:

a first radio station that transmits a radio signal to a second radio station by generating a modulated signal in an intermediate frequency band that is lower than a radio frequency, producing a modulated radio transmission signal, using a local oscillation signal to up-convert the modulated signal to a radio frequency band and transmitting the local oscillation signal used by the modulated radio transmission signal with the modulated radio transmission signal as a radio signal; and when receiving a radio signal from the second radio station, down-converts the received signal to a modulated frequency band by using the local oscillation signal utilized for up-conversion; and

a second radio station that extracts and regenerates local oscillation components from among signal components received from the first radio station, uses a local oscillation signal thus regenerated to down-convert a received modulated radio signal to an intermediate frequency band and, when transmitting a radio signal to the first radio station, produces a modulated signal in an intermediate frequency band that is lower than a radio frequency, and uses the regenerated local oscillation signal to up-convert to a radio frequency band a modulated signal produced by the signal modulator.

Claims 5-6 (Canceled).